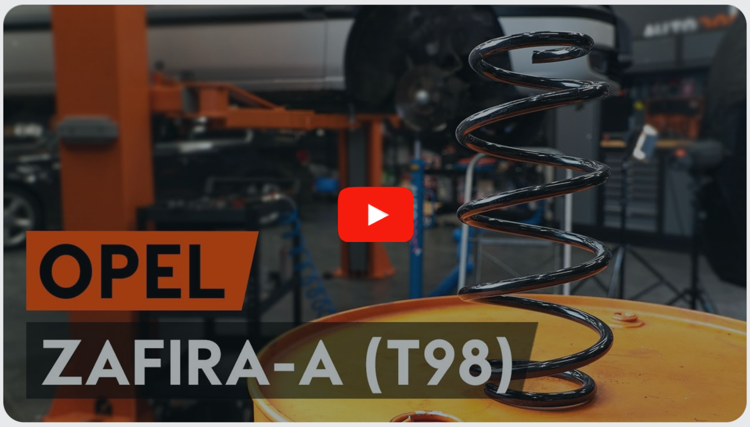
AUTODOC CLUB

How to change front coil springs on **Opel Zafira F75** – replacement guide

VIDEO TUTORIAL

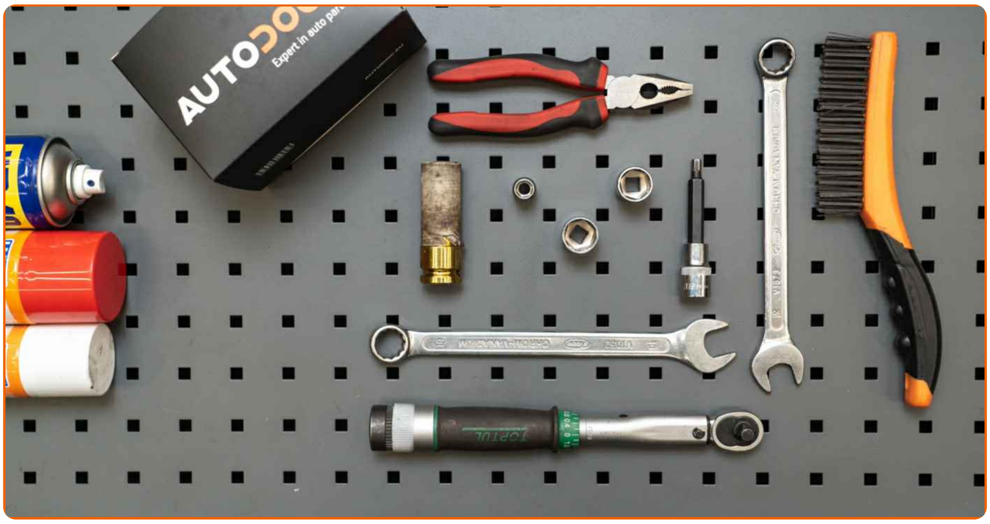


Important!

This replacement procedure can be used for:
OPEL Zafira A (T98) 2.2 DTI 16V (F75), OPEL Zafira A (T98) 2.2 16V (F75), OPEL Zafira A (T98) 2.0 DTI 16V (F75), OPEL Zafira A (T98) 2.0 OPC (F75)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – OPEL ZAFIRA F75.
TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #19
- Drive socket # 10
- Drive socket # 18
- Drive socket # 19
- HEX bit No.H6.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Pliers
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: coil springs – Opel Zafira F75. Tip from AUTODOC experts:

- Both coil springs of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the front suspension.
- All work should be done with the engine stopped.

REPLACEMENT: COIL SPRINGS – OPEL ZAFIRA F75. TAKE THE FOLLOWING STEPS:

1 Open the bonnet.



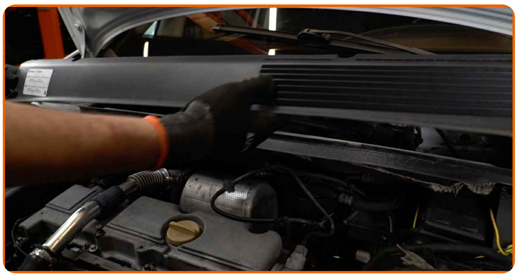
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Remove the cowl grille seal.



4 Remove the upper part of the scuttle panel.



5 Clean the fasteners of the lower part of the scuttle panel. Use WD-40 spray.



6 Unscrew the fasteners of the lower part of the scuttle panel. Use a drive socket #10. Use a ratchet wrench.



7 Remove the lower part of the scuttle panel.



8

Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



9

Loosen the upper fastener of the shock strut mount. Use a combination spanner #18. Use HEX No.H6. Use a ratchet wrench.



10

Secure the wheels with chocks.



11

Loosen the wheel mounting bolts. Use wheel impact socket #19.



12 Raise the front of the car and secure on supports.



13 Unscrew the wheel bolts.



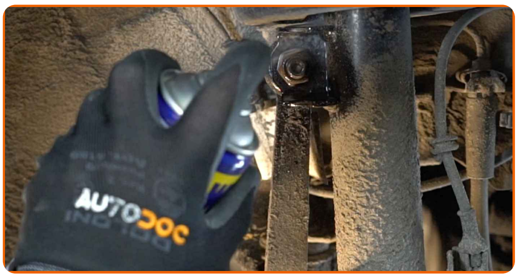
Replacement: coil springs – Opel Zafira F75. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

14 Remove the wheel.



15 Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



16 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



17 Remove the stabilizer rod.



18 Disconnect the ABS sensor wiring.



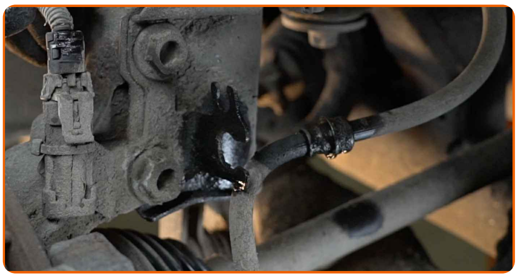
19 Clean the fasteners connecting the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



20 Remove the brake hose retaining clip. Use pliers.



21 Disconnect the brake hose.



22 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



23 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



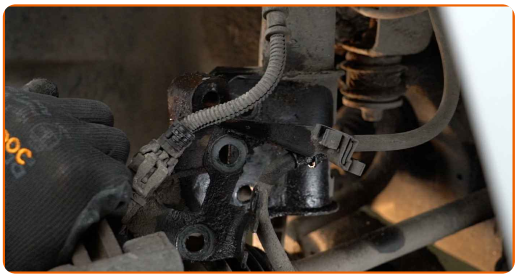
24 Prop up the steering knuckle. Use a hydraulic transmission jack.



25 Remove the fastening bolts.



26 Disconnect the steering knuckle from the shock absorber strut.



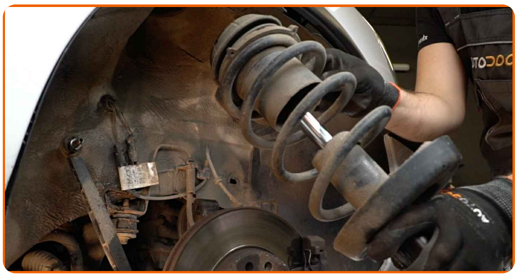
27 Unscrew the top fastening of the shock strut mount.



Replacement: coil springs – Opel Zafira F75. Tip from AUTODOC experts:

- To avoid injuries, hold the shock strut when undoing the fastening bolts.

28 Remove the suspension strut.



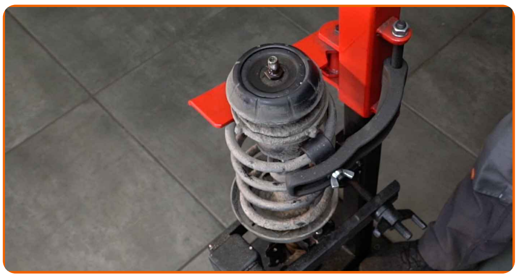
29 Set the shock absorber strut on the spring compressor tool.



Replacement: coil springs – Opel Zafira F75. Tip from AUTODOC:

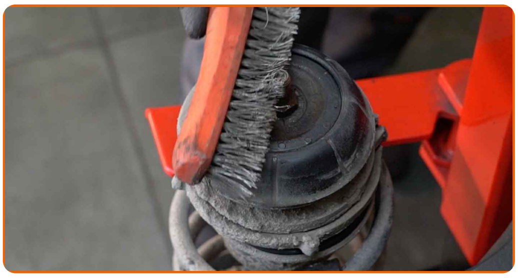
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

30 Compress the spring.



31

Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



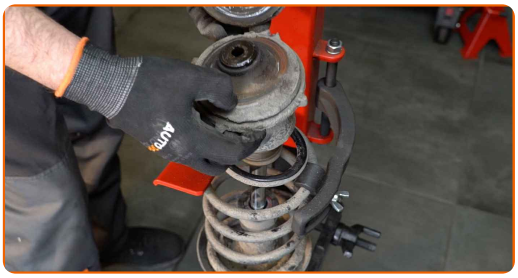
32

Remove the strut piston rod nut. Use HEX No.H6. Use a drive socket #18. Use a ratchet wrench.



33

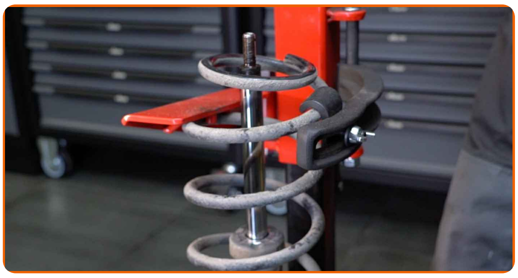
Remove the shock absorber mount, boot and bump stop.



AUTODOC recommends:

- Replacement: coil springs – Opel Zafira F75. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

34 Release the coil spring.



35 Remove the spring.



36 Install the spring on the shock absorber.



37 Compress the spring.



38 Install the mount, the boot and the bump stop on the shock absorber.



39 Tighten the shock strut piston rod nut. Use a drive socket #18. Use HEX No.H6. Use a torque wrench. Tighten it to 50 Nm torque.



Replacement: coil springs – Opel Zafira F75. AUTODOC experts recommend:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

40 Decompress the spring.



41 Remove the assembled shock strut.



42 Install the shock strut into the wheel arch.

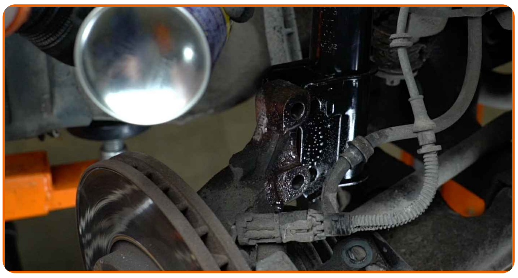


43 Screw the top fastening of the shock strut mount. Do not tighten it.

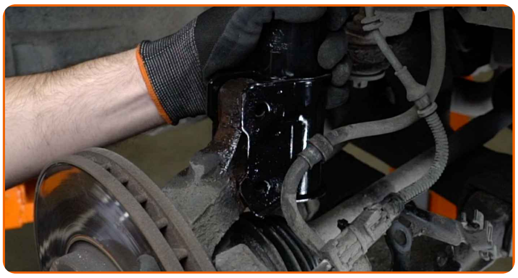
AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. Opel Zafira F75

44 Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.



45 Fix the shock absorber strut on the steering knuckle.



46 Install the fastening bolts.



47 Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



48 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+45°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

49 Attach the brake hose.



50 Install the brake hose retaining clip. Use pliers.



51 Connect the ABS sensor wiring.



52 Remove the support from under the steering knuckle.



AUTODOC recommends:

- Replacement: coil springs – Opel Zafira F75. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

53 Install the transverse stabilizer link.



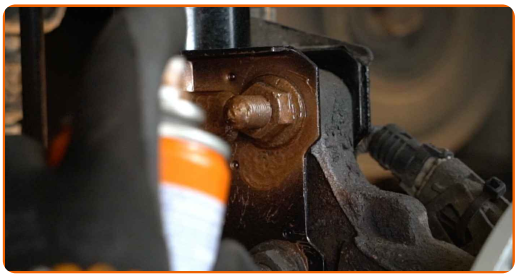
54 Tighten the stabiliser link fastener. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



55 Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #19. Use a torque wrench. Tighten it to 60 Nm torque.



56 Treat the shock strut fasteners. Use copper grease.



57 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



58 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: coil springs – Opel Zafira F75. After applying the spray, wait a few minutes.

59 Install the wheel.



Replacement: coil springs – Opel Zafira F75. Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

60 Screw in the wheel bolts. Use wheel impact socket #19.



61 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 110 Nm torque.



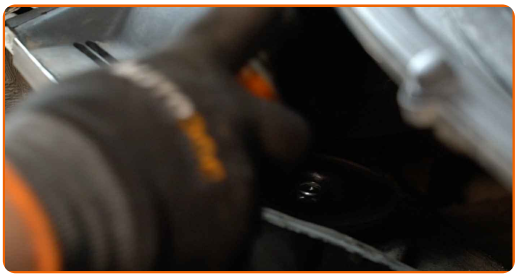
62 Remove the jacks and chocks.



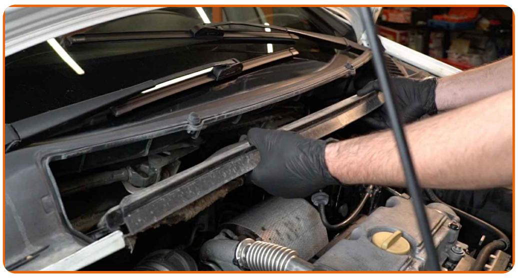
63 Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #18. Use HEX No.H6. Use a drive socket #18. Use a torque wrench. Tighten it to 55 Nm torque.



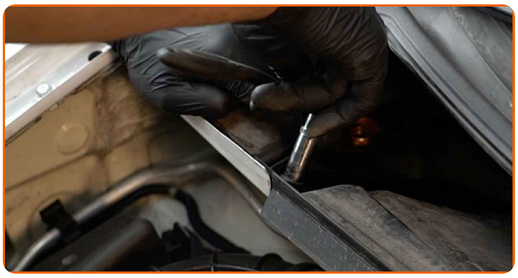
64 Treat the fasteners of the shock strut mount. Use copper grease.



65 Reinstall the lower part of the scuttle panel.



66 Screw in the fasteners of the lower part of the scuttle panel. Use a drive socket #10. Use a ratchet wrench.



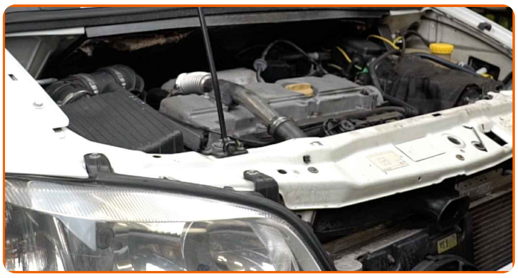
67 Reinstall the upper part of the scuttle panel.



68 Install the cowl grille seal.



69 Remove the fender protection cover.



70 Close the hood.

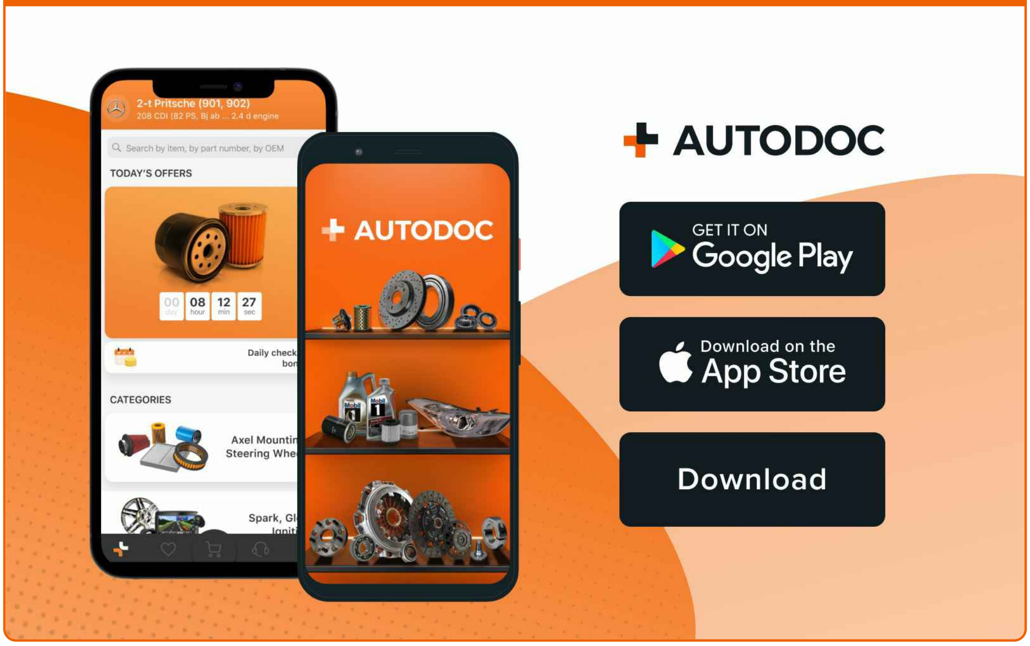


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